

ABSTRACT OF THE DISCLOSURE

A combination of near omni-directional antennas and internal patch antennas, all built into an access point in accordance with FCC requirements. Typically a printed antenna array is used for the near omni-directional antenna, and the internal patch antenna is a TM10 mode stacked patch antenna. A mechanical detect switch changes antenna types automatically, depending on the rotation state of the antenna system. Alternately, a configuration utility enables a user to select the antenna type for the access point when it is installed in the field. This arrangement gives the UNII access point flexibility to be mounted in various orientations and match the characteristics of the antenna to the installation requirements.